

AD9911 REV. A EVALUATION BOARD Pb-Free BILL OF MATERIALS 4/07/06

ITEM	QTY	REFDES	DEVICE	PACKAGE	VALUE	MIN TOL	MFR	MFR P/N	VENDOR / DIST	P/N	COMMENTS	Pb-FREE?
1	15	C21,C22,C23, C24,C25,C26, C27,C28,C29, C30,C31,C32, C33,C59,C61	CAP0402	0402	0.1UF, 16V, X7R	10%	Murata	GRM155R71C104KA88D			Any Pb-Free Mfr OK	Mfr info states Yes
2	6	C35,C37,C47, C63,C64,C69	TAJD	TAJD	10UF, 10V	10%	AVX	TAJD106K025R			Any Pb-Free Mfr OK	Mfr info states Yes
3	1	C38	CAP0805	0805	680PF, 50V, C0G	5%	Murata	GRM2165C1H681JA01D			Any Pb-Free Mfr OK	Mfr info states Yes
4	2	C39,C40	CAP0805	0805	12PF, 50V, C0G	5%	Murata	GQM2195C2A120JB01D			Any Pb-Free Mfr OK	Mfr info states Yes
5	1	C41	CAP0805	0805	1UF, 25V, X5R	10%	Murata	GRM216R61E105KA12D			Any Pb-Free Mfr OK	Mfr info states Yes
6	1	C42	CAP0805	0805	2.2UF, 25V, X5R	10%	Murata	GRM21BR71E225KA73L			Any Pb-Free Mfr OK	Mfr info states Yes
7	1	C43	CAP0805	0805	10UF, 25V, X5R	10%	Murata	GRM21BR61A106KE19L			Any Pb-Free Mfr OK	Mfr info states Yes
8	9	C48,C49,C52, C54,C55,C56, C57,C62,C65	CAP0402	0402	0.1UF, 16V, X7R	10%	Murata	GRM155R71C104KA88D			Any Pb-Free Mfr OK	Mfr info states Yes
9	2	C66,C67	CAP0805	0805							Do Not Install	
10	1	C81	CAP0402	0402	0.75PF, 50V, C0G	+/- 0.3pF	Murata	GRM1555C1HR75CZ01D			Any Pb-Free Mfr OK	Mfr info states Yes
11	3	C82,C85,C89	CAP0402	0402	10PF, 50V, C0G	5%	Murata	GRM1555C1H100JZ01D			Any Pb-Free Mfr OK	Mfr info states Yes
12	3	C83,C87,C90	CAP0402	0402	5PF, 50V, C0G	5%	Murata	GRM1555C1H5R0CZ01D			Any Pb-Free Mfr OK	Mfr info states Yes
13	2	C84,C86	CAP0402	0402	12PF, 50V, C0G	5%	Murata	GRM1555C1H120JZ01D			Any Pb-Free Mfr OK	Mfr info states Yes
14	2	C88,C91	CAP0402	0402	8.2PF, 50V,C0G	5%	Murata	GRM1555C1H8R2DZ01D			Any Pb-Free Mfr OK	Mfr info states Yes
15	1	C92	CAP1206	1206	4700PF, 50V, C0G	5%	Murata	GRM3195C1H472JA01D			Any Pb-Free Mfr OK	Mfr info states Yes
16	2	CR1 CR2	LED LED	1206 1206	GREEN RED	N/A N/A	Lumex Opto Lumex Opto	SML-LX1206GW-TR SML-LX1206IW-TR	Digi-Key Digi-Key	67-1002-1-ND 67-1003-1-ND		Mfr info states Yes Mfr info states Yes
17	9	J1,J5,J9,J10, J11,J12,J13,J14,J15 J18,J19	SMA SMA	SMA SMA			Johnson Components	142-0701-231				Mfr info states Yes
18	1	J30	USB_HDR	USB_TYPE_B		N/A	Assman Electronics	AU-Y1007-R	Digi-Key	AE9925-ND		Mfr info states Yes
19	1	L7		0402	47NH	5%	Murata	LQW15AN47NJ00D			Any Pb-Free Mfr OK	Mfr info states Yes
20	1	L8		0402	33NH	5%	Murata	LQW15AN33NJ00D			Any Pb-Free Mfr OK	Mfr info states Yes
21	1	L9		0402	56NH	5%	Murata	LQW15AN56NJ00D			Any Pb-Free Mfr OK	Mfr info states Yes
22	2	P1,P2	26PINHEADER	HEADER26		N/A	Samtec	TSW-113-23-L-D/26			26 Pin Header, Double Row	
23	2	R1,R2	RES_SM	0603	24.9, 1/10W	1%	Panasonic-ECG	ERJ-3EKF24R9V			Any Pb-Free Mfr OK	Mfr info states Yes
24	1	R10	RES_SM	0603	49.9, 1/10W	1%	Panasonic-ECG	ERJ-3EKF49R9V			Any Pb-Free Mfr OK	Mfr info states Yes
25	2	R9,R22	RES_SM	0603	0, 1/10W	5%	Panasonic-ECG	ERJ-3GEY0R00V			Any Pb-Free Mfr OK	Mfr info states Yes
26	1	R23	RES_SM	0603							Do Not Install	
27	1	R11	RES_SM	0603	1.91K, 1/10W	1%	Panasonic-ECG	ERJ-3EKF1911V			Any Pb-Free Mfr OK	Mfr info states Yes
28	2	R12,R17	RES_SM	1206	100K, 1/4W	1%	Panasonic-ECG	ERJ-8ENF1003V			Any Pb-Free Mfr OK	Mfr info states Yes
29	1	R13	RES_SM	1206	49.9, 1/4W	1%	Panasonic-ECG	ERJ-8ENF49R9V			Any Pb-Free Mfr OK	Mfr info states Yes
30	3	R14,R18,R19	RES_SM	1206	2.2K, 1/4W	5%	Panasonic-ECG	ERJ-8GEYJ222V			Any Pb-Free Mfr OK	Mfr info states Yes
31	1	R15	RES_SM	1206	300, 1/4W	1%	Panasonic-ECG	ERJ-8GEYJ301V			Any Pb-Free Mfr OK	Mfr info states Yes
32	1	R16	RES_SM	1206	806, 1/4W	1%	Panasonic-ECG	ERJ-8ENF8060V			Any Pb-Free Mfr OK	Mfr info states Yes
33	1	R20	RES_SM	1206	1M, 1/4W	1%	Panasonic-ECG	ERJ-8ENF1004V			Any Pb-Free Mfr OK	Mfr info states Yes
34	8	R29,R65,R66, R67,R68,R69, R70,R71	RES_SM	0402	1K, 1/16W	1%	Panasonic-ECG	ERJ-2RKF1001X			Any Pb-Free Mfr OK	Mfr info states Yes
35	2	R30,R31	RES_SM	0402							Do Not Install	
36	12	R38,R39,R40, R41,R42,R43, R44,R45,R46, R47,R48,R49	RES_SM	0805	0, 1/8W	5%	Panasonic-ECG	ERJ-6GEY0R00V			Any Pb-Free Mfr OK	Mfr info states Yes
37	2	R52,R53	RES_SM	0402	0, 1/16W	5%	Panasonic-ECG	ERJ-2GE0R00X			Any Pb-Free Mfr OK	Mfr info states Yes
38	1	T1	ETC1_1_13	SM22	1:1, 4.5-3000MHz	N/A	Tyco/M/A-COM	MABA-007159-000000	First Source	Ph: 800-225-7434	RF Balun (Replacement for Non-RoHS ETC1-1-13)	Mfr info states Yes, Long lead time (?)
39	1	T2	ADTT1-1	CD542	1:1, 0.3-300MHz	N/A	Mini-Circuits	ADTT1-1+			RF Transformer	"+" = Pb-Free
40	1	TB1	TB4	4 Position Terminal		N/A	Wieland	Plug: 25.602.2453.0 Terminal Strip: Z5.530.3425.0			Order Plug & Term Strip (2 items)	Mfr info states Yes
41	1	U3	AD9911	8X8 mm, 56 Pin LFCSP		N/A	Analog Devices	AD9911	ADI-Supplied		Socket Option: Ironwood SG-MLF-7007	Yes
42	1	U4	CY7C68013A	SSOP56		N/A	Cypress	CY7C68013A-56PVC				Mfr info states Yes
43	2	U5,U6	74LVC541A	TSSOP20		N/A	Texas Instruments	SN74LVC541APW	Digi-Key	296-8521-1-ND	Any Pb-Free Mfr OK	Mfr info states Yes
44	1	U8	24LC00	8PDIP		N/A	MicroChip Tech	24LC00-I/PG				Mfr info states Yes
45	1	U9	74LVC14A	TSSOP14		N/A	Texas Instruments	SN74LVC14APW	Digi-Key	296-1224-1-ND	Any Pb-Free Mfr OK	Mfr info states Yes
46	1	U10	74LVC125A	TSSOP14		N/A	Texas Instruments	SN74LVC125APW	Digi-Key	296-1222-1-ND	Any Pb-Free Mfr OK	Mfr info states Yes
47	1	U12	74LVC32A	TSSOP14		N/A	Texas Instruments	SN74LVC32APW	Digi-Key	296-1236-1-ND	Any Pb-Free Mfr OK	Mfr info states Yes
48	8	W1,W2,W3,W4,W5, W6,W9,W10	2PINHDR	SIP-2P		N/A	Samtec	TSW-102-07-S-S			Header	Mfr info states Yes
49	2	W7,W11	3PINHDR	SIP-3P		N/A	Samtec	TSW-103-07-S-S			Header	Mfr info states Yes
50	1	X1	XTAL	HC49SD	24MHZ		Fox	278LF-24-44				Mfr info states Yes, Long lead time (?)
51	1	X2	XTAL	HC49SD							Do Not Install	
52	4		Adhesive Feet		Black	N/A	3M	SJ-5518	Digi-Key	SJ5518-0-ND	Install on Bottom, 4 Corners	Mfr info states Yes
53	10	Same as Item 48	Jumpers		Black	N/A	Samtec	SNT-100-BK-G			Install on W9, W7, W10, W1, W2, W3, & W11 Install on 1 Pin Only for W6, W4, W5	Mfr info states Yes